

SEQUENCE LISTING

<110> Wood, Clive
Chaudhary, Divya
Long, Andrew

<120> TRADE MOLECULES, AND USES RELATED THERETO

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<150> 60/181,922

<151> 2000-02-11

<150> 60/182,148

<151> 2000-02-14

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<170> PatentIn Ver. 2.0

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Leu Val Leu Leu Gly Tyr Leu Ser Cys Lys Val Thr Cys Glu Ser Gly

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gac tgt aga cag caa gaa ttc agg gat cgg tct gga aac tgt gtt ccc 144

Asp Cys Arg Gln Gln Glu Phe Arg Asp Arg Ser Gly Asn Cys Val Pro

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tgc aac cag tgt ggg cca ggc atg gag ttg tct aag gaa tgt ggc ttc 192

Cys Asn Gln Cys Gly Pro Gly Met Glu Leu Ser Lys Glu Cys Gly Phe

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Gly Tyr Gly Glu Asp Ala Gln Cys Val Thr Cys Arg Leu His Arg Phe

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aag gag gac tgg ggc ttc cag aaa tgc aag ccc tgt ctg gac tgc gca 288

Lys Glu Asp Trp Gly Phe Gln Lys Cys Lys Pro Cys Leu Asp Cys Ala

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Gly	Phe	Gln	Asp	Met	Glu	Cys	Val	Pro	Cys	Gly	Asp	Pro	Pro	Pro	Pro	
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Thr	Ala	Ser	Ser	Pro	Arg	Asp	Thr	Ala	Leu	Ala	Ala	Val	Ile	Cys	Ser	
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Ala	Leu	Ala	Thr	Val	Leu	Leu	Ala	Leu	Leu	Ile	Leu	Cys	Val	Ile	Tyr	
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Ser	Ala	Ala	Ser	Leu	Gln	Ala	Arg	Asn	Ala	Gly	Pro	Ala	Gly	Glu	Met	
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Glu	Ser	Gly	Ala	Ile	Ile	His	Pro	Ala	Thr	Gln	Thr	Ser	Leu	Gln	Glu		
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 Cys Asn Gln Cys Gly Pro Gly Met Glu Leu Ser Lys Glu Cys Gly Phe
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Ala	Leu	Ala	Thr	Val	Leu	Leu	Ala	Leu	Leu	Ile	Leu	Cys	Val	Ile	Tyr	
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Ser	Ala	Ala	Ser	Leu	Gln	Ala	Arg	Asn	Ala	Gly	Pro	Ala	Gly	Glu	Met	
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Val	Pro	Thr	Phe	Phe	Gly	Ser	Leu	Thr	Gln	Ser	Ile	Cys	Gly	Glu	Phe	
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Ser	Asp	Ala	Trp	Pro	Leu	Met	Gln	Asn	Pro	Met	Gly	Gly	Asp	Asn	Ile	
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Ser	Phe	Cys	Asp	Ser	Tyr	Pro	Glu	Leu	Thr	Gly	Glu	Asp	Ile	His	Ser	
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Gln	Asp	Leu	Val	Gly	Gly	Ala	Val	Pro	Val	Gln	Ser	His	Ser	Glu	Asn	
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gta gta tta cta ggc tat ttg tca tgt aaa gtg act tgt gaa aca gga 96
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gac tgt aga cag caa gaa ttc agg gat cgg tct gga aac tgt gtt ccc 144
 Asp Cys Arg Gln Gln Glu Phe Arg Asp Arg Ser Gly Asn Cys Val Pro
 35 40 45

gac aac cag tgt ggg cca ggc atg gag ttg tct aag gaa tgt ggc ttc 192
 Cys Asn Gln Cys Gly Pro Gly Met Glu Leu Ser Lys Glu Cys Gly Phe
 50 55 60

ggc tat ggg gag gat gca cag tgt gtg acg tgc cgg ctg cac agg ttc 240
 Gly Tyr Gly Glu Asp Ala Gln Cys Val Thr Cys Arg Leu His Arg Phe
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 Lys Glu Asp Trp Gly Phe Gln Lys Cys Lys Pro Cys Leu Asp Cys Ala
 85 90 95

gtg gtg aac cgc ttt cag aag gca aat tgt tca gcc acc agt gat gcc 336
 Val Val Asn Arg Phe Gln Lys Ala Asn Cys Ser Ala Thr Ser Asp Ala
 100 105 110

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 Ile Cys Gly Asp Cys Leu Pro Gly Phe Tyr Arg Lys Thr Lys Leu Val
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ggc ttt caa gac atg gag tgt gtg cct tgt gga gac cct cct cct cct 432
 Gly Phe Gln Asp Met Glu Cys Val Pro Cys Gly Asp Pro Pro Pro Pro

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Tyr Glu Pro His Cys Ala Ser Lys Val Asn Leu Val Lys Ile Ala Ser			
145	150	155	160
acg gcc tcc agc cca cgg gac acg gcg ctg gct gcc gtt atc tgc agc			528
Thr Ala Ser Ser Pro Arg Asp Thr Ala Leu Ala Ala Val Ile Cys Ser			
	165	170	175
gct ctg gcc acc gtc ctg ctg gcc ctg ctc atc ctc tgt gtc atc tat			576
Ala Leu Ala Thr Val Leu Leu Ala Leu Leu Ile Leu Cys Val Ile Tyr			
	180	185	190
tgt aag aga cag ttt atg gag aag aaa ccc agc tgg tct ctg cgg tca			624
Cys Lys Arg Gln Phe Met Glu Lys Lys Pro Ser Trp Ser Leu Arg Ser			
	195	200	205
cag gac att cag tac aac ggc tct gag ctg tgc tgt ctt gac aga cct			672
Gln Asp Ile Gln Tyr Asn Gly Ser Glu Leu Ser Cys Leu Asp Arg Pro			
	210	215	220
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Ser Val Gln Thr Cys Gly Pro Val Arg Leu Leu Pro Ser Met Cys Cys			
	245	250	255
gag gag gcc tgc agc ccc aac ccg gcg act ctt ggt tgt ggg gtg cat			816
Glu Glu Ala Cys Ser Pro Asn Pro Ala Thr Leu Gly Cys Gly Val His			
	260	265	270
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Ser Ala Ala Ser Leu Gln Ala Arg Asn Ala Gly Pro Ala Gly Glu Met			
	275	280	285
gtg ccg act ttc ttc gga tcc ctc acg cag tcc atc tgt ggc gag ttt			912
Val Pro Thr Phe Phe Gly Ser Leu Thr Gln Ser Ile Cys Gly Glu Phe			
	290	295	300
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Ser Asp Ala Trp Pro Leu Met Gln Asn Pro Met Gly Gly Asp Asn Ile			
	305	310	315
tct ttt tgt gac tct tat cct gaa ctc gct gga gaa gac att cat tct			1008
Ser Phe Cys Asp Ser Tyr Pro Glu Leu Ala Gly Glu Asp Ile His Ser			
	325	330	335
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Leu Asn Pro Glu Leu Glu Ser Ser Thr Ser Leu Asp Ser Asn Ser Ser			
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ttt aca gca gct act gat tta tct aga tat aac aac aca ctg gta gaa 1152
Phe Thr Ala Ala Thr Asp Leu Ser Arg Tyr Asn Asn Thr Leu Val Glu
370 375 380

tca gca tca act cag gat gca cta act atg aga agc cag cta gat cag 1200
Ser Ala Ser Thr Gln Asp Ala Leu Thr Met Arg Ser Gln Leu Asp Gln
385 390 395 400

gag agt ggc gct atc atc cac cca gcc act cag acg tcc ctc cag gta 1248
Glu Ser Gly Ala Ile Ile His Pro Ala Thr Gln Thr Ser Leu Gln Val
405 410 415

agg cag cga ctg ggt tcc ctg tgaacacagc actgacttac agtagatcag 1299
Arg Gln Arg Leu Gly Ser Leu
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<213> Homo sapiens

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Cys Asn Gln Cys Gly Pro Gly Met Glu Leu Ser Lys Glu Cys Gly Phe
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Gly Tyr Gly Glu Asp Ala Gln Cys Val Thr Cys Arg Leu His Arg Phe
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Lys Glu Asp Trp Gly Phe Gln Lys Cys Lys Pro Cys Leu Asp Cys Ala
85 90 95

Val Val Asn Arg Phe Gln Lys Ala Asn Cys Ser Ala Thr Ser Asp Ala
100 105 110

Ile Cys Gly Asp Cys Leu Pro Gly Phe Tyr Arg Lys Thr Lys Leu Val
115 120 125

Gly Phe Gln Asp Met Glu Cys Val Pro Cys Gly Asp Pro Pro Pro Pro
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Thr Ala Ser Ser Pro Arg Asp Thr Ala Leu Ala Ala Val Ile Cys Ser

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Asp Cys Arg Gln Gln Glu Phe Lys Asp Arg Ser Gly Asn Cys Val Leu	
35 40 45	
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Cys Lys Gln Cys Gly Pro Gly Met Glu Leu Ser Lys Glu Cys Gly Phe	
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ggc tat ggg gag gat gca cag tgt gtg ccc tgc agg ccg cac cgg ttc	240
Gly Tyr Gly Glu Asp Ala Gln Cys Val Pro Cys Arg Pro His Arg Phe	
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Lys Glu Asp Trp Gly Phe Gln Lys Cys Lys Pro Cys Ala Asp Cys Ala	
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Leu Val Asn Arg Phe Gln Arg Ala Asn Cys Ser His Thr Ser Asp Ala	
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Val Cys Gly Asp Cys Leu Pro Gly Phe Tyr Arg Lys Thr Lys Leu Val	
115 120 125	
ggt ttt caa gac atg gag tgt gtg ccc tgc gga gac cca cct cct ccc	432
Gly Phe Gln Asp Met Glu Cys Val Pro Cys Gly Asp Pro Pro Pro Pro	
130 135 140	
tac gaa cca cac tgt acc agc aag gtg aac ctt gtg aag atc tcc tcc	480
Tyr Glu Pro His Cys Thr Ser Lys Val Asn Leu Val Lys Ile Ser Ser	
145 150 155 160	
acc gtc tcc agc cct cgg gac acg gcg ctg gct gcc gtc atc tgc agt	528
Thr Val Ser Ser Pro Arg Asp Thr Ala Leu Ala Ala Val Ile Cys Ser	
165 170 175	
gct ctg gcc acg gtg ctg ctc gcc ctg ctc atc ctg tgt gtc atc tac	576
Ala Leu Ala Thr Val Leu Leu Ala Leu Leu Ile Leu Cys Val Ile Tyr	
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Cys Lys Arg Gln Phe Met Glu Lys Lys Pro Ser Trp Ser Leu Arg Ser	
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cag gac att cag tac aat ggc tct gag ctg tca tgc ttt gac cag cct	672

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Thr	Leu	Ala	Gln	Asp	Ala	Gln	Arg	Thr	Pro	Ser	Gln	Gly	Gly	Trp	Glu		
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Asp	Arg	Glu	Asn	Leu	Asn	Leu	Ala	Met	Pro	Thr	Ala	Phe	Gln	Asp	Ala		
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 Cys Lys Gln Cys Gly Pro Gly Met Glu Leu Ser Lys Glu Cys Gly Phe
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 Gly Tyr Gly Glu Asp Ala Gln Cys Val Pro Cys Arg Pro His Arg Phe
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 Lys Glu Asp Trp Gly Phe Gln Lys Cys Lys Pro Cys Ala Asp Cys Ala
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 Leu Val Asn Arg Phe Gln Arg Ala Asn Cys Ser His Thr Ser Asp Ala
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 Val Cys Gly Asp Cys Leu Pro Gly Phe Tyr Arg Lys Thr Lys Leu Val
 115 120 125
 Gly Phe Gln Asp Met Glu Cys Val Pro Cys Gly Asp Pro Pro Pro Pro
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 Tyr Glu Pro His Cys Thr Ser Lys Val Asn Leu Val Lys Ile Ser Ser
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 Thr Val Ser Ser Pro Arg Asp Thr Ala Leu Ala Ala Val Ile Cys Ser
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 Cys Lys Arg Gln Phe Met Glu Lys Lys Pro Ser Trp Ser Leu Arg Ser
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 Gln Asp Ile Gln Tyr Asn Gly Ser Glu Leu Ser Cys Phe Asp Gln Pro
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 Arg Leu Arg His Cys Ala His Arg Ala Cys Cys Gln Tyr His Arg Asp
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 Ser Ala Pro Met Tyr Gly Pro Val His Leu Ile Pro Ser Leu Cys Cys
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 Glu Glu Ala Arg Ser Ser Ala Arg Ala Val Leu Gly Cys Gly Leu Arg
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 325 330 335
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